

Title (en)

METHOD AND APPARATUS FOR REDUCING CODE PHASE SEARCH SPACE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REDUZIERUNG DES KODEPHASEN-SUCHRAUMES

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE REDUIRE L'ESPACE DE RECHERCHE DE LA PHASE DE CODAGE

Publication

EP 1301802 A2 20030416 (EN)

Application

EP 01954780 A 20010717

Priority

- US 0122755 W 20010717
- US 21918100 P 20000719
- US 74163100 A 20001218

Abstract (en)

[origin: WO0206847A2] A GPS communication system including a server and a client, each including a GPS receiver, for reducing the code phase search space of the GPS receiver of the client. The communication system includes a transmitter for transmitting timing information from the server to the client to help the client locate a first satellite, and a receiver for using timing differences between the satellites to synchronize and locate other satellites. The code phase search space is reduced by reducing the number of phase hypotheses that must be calculated to establish communication between the server and the client.

IPC 1-7

G01S 1/00

IPC 8 full level

G01S 1/00 (2006.01); **G01S 19/05** (2010.01); **G01S 19/25** (2010.01); **G01S 19/30** (2010.01); **H04B 1/707** (2011.01); **H04B 1/7075** (2011.01); **H04W 64/00** (2009.01)

CPC (source: EP KR)

G01S 19/05 (2013.01 - EP); **G01S 19/256** (2013.01 - EP); **H04B 7/26** (2013.01 - KR); **G01S 19/30** (2013.01 - EP)

Citation (search report)

See references of WO 0206847A2

Citation (examination)

US 5752218 A 19980512 - HARRISON DANIEL DAVID [US], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0206847 A2 20020124; **WO 0206847 A3 20020613**; AU 7700401 A 20020130; CN 100399042 C 20080702; CN 1454323 A 20031105; EP 1301802 A2 20030416; HK 1057781 A1 20040416; IL 154020 A0 20030731; JP 2004517298 A 20040610; JP 2013117536 A 20130613; JP 2015121537 A 20150702; JP 2017096940 A 20170601; KR 101049836 B1 20110715; KR 20030017641 A 20030303

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